Amendment Under 37 C.F.R. 1.111   Q63195
U.S. Appln. No. 09/788,566

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

    1. (canceled).

    2. (canceled).

    3. (currently amended): A system for monitoring packets transmitted on a channel

connecting an application server and an end-user of said application server to each other,

comprising:

    (a) a certification server which certificates an end-user; and

    (b) a packet monitor device which, on receipt of a request from said certification server,

monitors packets transmitted on said channel,

    wherein said certification server includes:

    (a1) a first memory which stores a user management table including ID numbers of end-

users, passwords by which the end-users are identified, a monitoring parameter designating a

packet to be monitored, and a threshold parameter designating a method of monitoring said

packet; and

(a2) a second device which transmits a request to said packet monitor device to start or finish monitoring said packet at a timing when said end-user logs-in or logs-out his/her terminal~~The system as set forth in claim 1~~,

wherein said packet monitor device includes:

(b1) a fourth memory which stores a first time at which a packet transmitted from one of said application server and said end-user arrives, when said packet monitor device receives a request from said second device to monitor said packet;

(b2) an analyzer which monitors a second time at which packets meeting said monitoring parameter arrive, and determines whether any rule has been satisfied in an interval in said second time; and

(b3) an annunciator which makes annunciation to said end-user when a certain rule is satisfied in said interval.

4. (currently amended): A system for monitoring packets transmitted on a channel connecting an application server and an end-user of said application server to each other, comprising:

(a) a certification server which certificates an end-user; and

(b) a packet monitor device which, on receipt of a request from said certification server, monitors packets transmitted on said channel,

wherein said certification server includes:

        (a1) a first memory which stores a user management table including ID numbers of end-users, passwords by which the end-users are identified, a monitoring parameter designating a packet to be monitored, and a threshold parameter designating a method of monitoring said packet; and

        (a2) a second device which transmits a request to said packet monitor device to start or finish monitoring said packet at a timing when said end-user logs-in or logs-out his/her terminalThe system as set forth in claim 1,

        wherein said certification server includes a first device which updates said monitoring parameter and said threshold parameter, when instructed by said end-user.

        5. (currently amended):   The system as set forth in claim 14, wherein said packet monitor device include:

        (b1) a second memory which stores said monitoring parameter transmitted from said second device;

        (b2) a third memory which stores said threshold parameter transmitted from said second device; and

        (b3) a third device which determines the contents of said second and third memories when said second device transmits a request to said packet monitor device to start or finish monitoring said packet.

6. (previously presented):   The system as set forth in claim 3, wherein said packet

monitor device include:

(b1) a second memory which stores said monitoring parameter transmitted from said

second device;

(b2) a third memory which stores said threshold parameter transmitted from said second

device; and

(b3) a third device which determines the contents of said second and third memories

when said second device transmits a request to said packet monitor device to start or finish

monitoring said packet.

7. (previously presented):   The system as set forth in claim 6, wherein said analyzer

analyzes whether there is any rule in said interval and whether said interval exceeds said

threshold parameter, and said annunciator makes annunciation to said end-user when said

analyzer judges that there is a certain rule in said interval and that said interval exceeds said

threshold parameter.

8. (currently amended):   A method of monitoring packets transmitted on a channel

connecting an application server and an end-user of said application server to each other,

comprising the steps of:

(a) acquiring a monitoring parameter indicative of a packet to be monitored, when said

end-user logs-in his/her terminal;

(b) monitoring a time at which packets coincident with said monitoring parameter arrive,

and determining whether there is any rule in an interval in said arrival time; and

(c) making annunciation to said end-user when there is a certain rule in said interval,

wherein said monitoring parameter is included in a user management table which further

includes an ID number of said end-user, a password by which said end-user is identified, and a

threshold parameter designating a method of monitoring said packet, and

said step (a) includes the steps of:

(a1) retrieving said user management table, based on said ID number and said password

both input by said end-user;

(a2) acquiring said monitoring parameter, if said monitoring parameter is stored in said

user management table; and

(a3) acquiring said threshold parameter, if said threshold parameter is stored in said user

management table.

9. (previously presented):   The method as set forth in claim 8, further comprising the

step of ceasing said step (b) when said end-user logs-out his/her terminal.

10. (canceled).

11. (currently amended):   The method as set forth in claim 8, wherein said step (b)

includes the step of analyzing whether there is a certain rule in said interval and whether said

interval exceeds said threshold parameter, after acquiring said threshold parameter in said step

(a2), and said step (c) includes the step of making annunciation to said end-user, if there is a

certain rule in said interval and said interval exceeds said threshold parameter.

     12. (canceled).

     13. (canceled).

     14. (currently amended):   A recording medium readable by a computer, storing a

program therein for causing a computer to act as a system for monitoring packets transmitted on

a channel connecting an application server and an end-user of said application server to each

other,

     said system comprising:

     (a) a certification server which certificates the end-user; and

     (b) a packet monitor device which, on receipt of a request from said certification server,

monitors packets transmitted on said channel,

wherein said certification server includes:

     (a1) a first memory which stores a user management table including ID numbers of end-

users, passwords by which the end-users are identified, a monitoring parameter designating a

packet to be monitored, and a threshold parameter designating a method of monitoring said

packet; and

        (a2) a second device which transmits a request to said packet monitor device to start or

finish monitoring said packet at a timing when said end-user logs-in or logs-out his/her

terminal~~The recording medium as set forth in claim 12~~,

        wherein said packet monitor device includes:

        (b1) a fourth memory which stores a first time at which a packet transmitted from one of

said application server and said end-user arrives, when said packet monitor device receives a

request from said second device to monitor said packet;

        (b2) an analyzer which monitors a second time at which packets meeting said monitoring

parameter arrive, and determines whether any rule has been satisfied in an interval in said second

time; and

        (b3) an annunciator which makes annunciation to said end-user when a certain rule is

satisfied in said interval.

        15. (currently amended):   A recording medium readable by a computer, storing a

program therein for causing a computer to act as a system for monitoring packets transmitted on

a channel connecting an application server and an end-user of said application server to each

other,

        said system comprising:

        (a) a certification server which certificates the end-user; and

        (b) a packet monitor device which, on receipt of a request from said certification server,

monitors packets transmitted on said channel,

wherein said certification server includes:

(a1) a first memory which stores a user management table including ID numbers of end-users, passwords by which the end-users are identified, a monitoring parameter designating a packet to be monitored, and a threshold parameter designating a method of monitoring said packet; and

(a2) a second device which transmits a request to said packet monitor device to start or finish monitoring said packet at a timing when said end-user logs-in or logs-out his/her terminalThe recording medium as set forth in claim 12,

wherein said certification server includes a first device which updates said monitoring parameter and said threshold parameter, when instructed by said end-user.

16. (currently amended): The recording medium as set forth in claim 1215, wherein said packet monitor device include:

(b1) a second memory which stores said monitoring parameter transmitted from said second device;

(b2) a third memory which stores said threshold parameter transmitted from said second device; and

(b3) a third device which determines the contents of said second and third memories when said second device transmits a request to said packet monitor device to start or finish monitoring said packet.

17. (previously presented):   The recording medium as set forth in claim 14, wherein said packet monitor device includes:

(b1) a second memory which stores said monitoring parameter transmitted from said second device;

(b2) a third memory which stores said threshold parameter transmitted from said second device; and

(b3) a third device which determines the contents of said memories when said second device transmits a request to said packet monitor device to start or finish monitoring said packet.

18. (previously presented):   The recording medium as set forth in claim 17, wherein said analyzer analyzes whether there is any rule in said interval and whether said interval exceeds said threshold parameter, and said annunciator makes annunciation to said end-user when said analyzer judges that there is a certain rule in said interval and that said interval exceeds said threshold parameter.

19. (currently amended):   A recording medium readable by a computer, storing a program therein for causing a computer to carry out a method of monitoring packets transmitted on a channel connecting an application server and an end-user of said application server to each other, said method comprising the steps of:

(a) acquiring a monitoring parameter indicative of a packet to be monitored, when said end-user logs-in his/her terminal;

(b) monitoring a time at which packets coincident with said monitoring parameter arrive, and determining whether there is any rule in an interval in said arrival time; and

(c) making annunciation to said end-user when there is a certain rule in said interval,

wherein said monitoring parameter is included in a user management table which further includes an ID number of said end-user, a password by which said end-user is identified, and a threshold parameter designating a method of monitoring said packet, and

said step (a) includes the steps of:

(a1) retrieving said user management table, based on said ID number and said password both input by said end-user;

(a2) acquiring said monitoring parameter, if said monitoring parameter is stored in said user management table; and

(a3) acquiring said threshold parameter, if said threshold parameter is stored in said user management table.

20. (previously presented):   The recording medium as set forth in claim 19, wherein said method further includes the step of ceasing said step (b) when said end-user logs-out his/her terminal.

21. (canceled).

22. (currently amended):   The recording medium as set forth in claim 2119, wherein

said step (b) includes the step of analyzing whether there is a certain rule in said interval and

whether said interval exceeds said threshold parameter, after acquiring said threshold parameter

in said step (a2), and said step (c) includes the step of making annunciation to said end-user, if

there is a certain rule in said interval and said interval exceeds said threshold parameter.

23.   (previously presented):   The method as set forth in claim 8, wherein the end-user

is not performing an administrative function of said application server.

24.   (previously presented):   The recording medium as set forth in claim 19, wherein

the end-user is not performing an administrative function of said application server.